

## Selected Topics in Computer Engineering ECE 344C



Benha University

Computer Systems Engineering Electrical Engineering Department

Faculty of Engineering (at Shoubra)

## Quiz 01

Consider the following training data:

1.	How many <i>examples</i> , <i>instances</i> , <i>attributes</i> , <i>and classes</i> ?						
2.	Classify every attribute as <i>nominal</i> , <i>ordinal</i> , <i>interval</i> , or <i>ratio</i> .	ID	A1	A2	A3	A4	Class
3.	Represent the output of classification learning as a decision tree assuming that:	0	Т	Т	0.3	opaque	0
	a) One attribute is used	1	Т	F	0.7	translucent	0
	b) Two attributes are used	2	F	F	0.4	opaque	0
	c) Three attributes are used	3	F	Т	0.9	translucent	0
4.	Annotate every leaf of the decision trees constructed in the previous question with:	4	Т	F	0.9	opaque	0
	a) Number of instances that reach it	5	F	Т	0.2	transparent	1
	b) Classification error	6	Т	F	0.2	transparent	1
5.	Represent the output of classification learning using linear	7	F	F	0.8	translucent	1
	models and specify classification error assuming that:	8	F	Т	0.4	transparent	1
	<ul><li>a) One attribute is used</li><li>b) Two attributes are used</li></ul>	9	Т	F	0.1	translucent	1
	c) Three attributes are used			1			

Good Luck Dr. Islam ElShaarawy